

CLAIMS:

1. An interface-control protocol method for a radio system which has at least one frequency band that is provided for the alternate use by a first and a second radio interface standard, the radio system comprising stations which operate in accordance with a first radio interface standard and/or a second radio interface standard, a control station being provided which controls the alternate use of the frequency band.

2. A method as claimed in claim 1, characterized in that the control station controls the access to the frequency band for stations working in accordance with the first radio interface standard and in that the control station renders the frequency band available for access by the stations working in accordance with the second radio interface standard if stations working in accordance with the first radio interface standard do not request access to the frequency band.

3. A method as claimed in claim 1, characterized in that the control station determines the respective duration in which the stations working in accordance with the second radio interface standard are allowed to utilize the frequency band.

4. A method as claimed in claim 1, characterized in that the control station sends a broadcast signal informing the stations of a time duration in which the frequency band can be used by stations working in accordance with the second radio interface standard.

5. A method as claimed in claim 3, characterized in that the duration of operation in accordance with the first and second radio interface standards is laid down only approximately while the respective standards are violated regularly or from time to time.

6. A method as claimed in claim 1, characterized in that the control station terminates the use of the radio interface in accordance with the second radio interface standard by transmitting in accordance with the first radio interface standard, without taking

account of resulting interference in stations working in accordance with the second radio interface standard.

7. A method as claimed in claim 1, characterized in that the control station
5 controls the access to the frequency band by stations working in accordance with the first radio interface standard and in that duration and type of control of the radio interface in accordance with the second radio interface standard is determined by a further station and transmitted to the control station.

10 8. A method as claimed in claim 1, characterized in that the control station, in addition to functions in accordance with the second radio interface standard, also carries out functions which cause radio systems in accordance with the second radio interface standard to interpret the radio channel as interfered and to seize another radio channel for its own operation.

15 9. A method as claimed in claim 1, characterized in that the control station also carries out functions which cause radio systems in accordance with the first radio interface standard to interpret the radio channel as interfered and to seize another radio channel for its own operation.

20 10. A wireless network comprising at least one frequency band provided for the alternate use by a first and a second radio interface standard, the wireless network comprising stations which work in accordance with a first radio interface standard and/or in accordance with a second radio interface standard, a control station being provided which controls the
25 alternate use of the frequency band.

30 11. A control station for a wireless network, the control station being provided for controlling the alternate use of a frequency band by stations which work in accordance with a first radio interface standard and stations which work in accordance with a second radio interface standard.